

# Recombinant Human LRG1(P133S) Protein

Catalog No.: RP01986 Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 116844 P02750

**Tags** 

C-6His

**Synonyms** 

LRG1; LRG;Leucine-rich alpha-2-glycoprotein; LRG

## **Product Information**

**Source** Purification HEK293 cells ≥ 90 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

35.16 kDa 45-55 kDa

**Endotoxin** 

< 1 EU/µg of the protein by LAL method.

#### **Formulation**

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

#### Contact

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## **Background**

Diabetic nephropathy (DN) is an important public health concern of increasing proportions and the leading cause of end-stage renal disease (ESRD) in diabetic patients. It is one of the most common long-term microvascular complications of diabetes mellitus that is characterized by proteinuria and glomerular structural changes. LRG1 is a novel pro-angiogenic factors involved in the abnormal angiogenesis and renal fibrosis in DN.

#### **Basic Information**

#### **Description**

Recombinant Human LRG1(P133S) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Vla36-Gln347[Pro133Ser[]) of Human LRG1(P133S) (Accession #NP\_443204.1) fused with His tag at the C-terminus.

## **Bio-Activity**

## **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

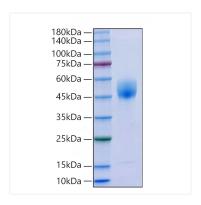
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

## **Validation Data**



Recombinant Human LRG1(P133S) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.